

NT209 (PER-240)

WMD Radiological/Nuclear Responder

Delivered by the U.S. Department of Energy (DOE) National Nuclear Security Administration, Nevada Operations Office (NNSA/NV), National Center for Exercise Excellence (NCEE), a member of the National Domestic Preparedness Consortium (NDPC), through Bechtel Nevada (BN), Counter-Terrorism Operations Support (CTOS)

Course Description

This course covers a weapons of mass destruction (WMD) overview for the first responder and focuses on basic radiological detection, survey instruments, risk based response, crime-scene preservation, personal protective equipment (PPE), radiological decontamination, and mitigation of radiological incidents. The course will provide classroom instruction and scenario-driven, hands-on, performance-oriented practical exercises. There will be a culmination exercise that includes radiological sources, explosives, smoke, pyrotechnics, emergency response vehicles, and role players.

Course Objectives

- Describe the radiological/nuclear threat of WMD and its potential impact on the community.
- Describe the fundamentals of radiation and protective strategies in a radiological environment.
- Demonstrate proper survey techniques to accurately identify the types of radiological/nuclear material and determine its human hazard.

- Explain the health, medical, and psychological effects on the responders and victims in a radiological/nuclear incident.
- Demonstrate the procedure for selecting, donning, and doffing of PPE for a radiological/nuclear environment.
- Given a radiological WMD scenario, conduct personnel and equipment decontamination.
- Describe the issues and considerations associated with managing large-scale radiological/nuclear incidents.
- Describe the effects of a radiological dispersal device (RDD).
- Determine tactical considerations to respond to radiation incidents based upon information from previous modules.

Course Length

- 32 hours

Prerequisite

- NT204

Target Audience/Discipline

- Law Enforcement
- Emergency Medical Services
- Fire Service
- Hazardous Material